

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/003571

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D501/00 A61P31/00 A61K31/545

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61P A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 342 493 B1 (ONODERA MASAHIRO ET AL) 29 January 2002 (2002-01-29) cited in the application examples 1-14	1-5, 45, 46
X	US 6 294 669 B1 (YASUI KIYOSHI ET AL) 25 September 2001 (2001-09-25) cited in the application claims; examples 1-9	1-17, 45, 46
X	US 2002/002279 A1 (YASUI KIYOSHI ET AL) 3 January 2002 (2002-01-03) claims; examples 1-9	6-17
X	WO 98/12200 A (MEIJI SEIKA KAISHA LTD; YASUI, KIYOSHI; ONODERA, MASAHIRO; SUKEGAWA, M) 26 March 1998 (1998-03-26) claims; examples 1-9	6-17
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

24.05.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schmid, A

INTERNATIONAL SEARCH REPORT

Inte
al Application No
PCT/IB2004/003571

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001 131071 A (MEIJI SEIKA KAISHA LTD) 15-May-2001 (2001-05-15) abstract -----	18-35, 44
X	EP 1 051 978 A (MEIJI SEIKA KAISHA, LTD) 15 November 2000 (2000-11-15) examples 1-14, comparative examples 1, 2 claims 8-11 -----	36-43
X	US 2002/037322 A1 (ONODERA MASAHIRO ET AL) 28 March 2002 (2002-03-28) examples 1-14, comparative examples 1, 2 claims 8-11 -----	36-44

INTERNATIONAL SEARCH REPORT

ational application No.
PCT/IB2004/003571

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5,45, 46

cefditoren pivoxil (crystalline and amorphous compounds),
pharmaceutical composition, and use for treating infections

2. claims: 6-35

processes for preparing crystalline or amorphous cefditoren
pivoxil using an organic solvent

3. claims: 36-43

process for preparing amorphous cefditoren pivoxil using an
acid

4. claim: 44

process for preparing cefditoren pivoxil starting from a
mixture of crystalline and amorphous cefditoren pivoxil

INTERNATIONAL SEARCH REPORT

 Inte Int'l Application No
 PCT/IB2004/003571

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6342493	B1	29-01-2002	AU 736555 B2 02-08-2001
			AU 1784599 A 26-07-1999
			BR 9907084 A 17-10-2000
			CA 2316841 A1 15-07-1999
			CN 1290177 A ,C 04-04-2001
			EA 2881 B1 31-10-2002
			EP 1051978 A1 15-11-2000
			HK 1035148 A1 19-11-2004
			HU 0101272 A2 28-12-2001
			ID 25469 A 05-10-2000
			WO 9934832 A1 15-07-1999
			JP 3413406 B2 03-06-2003
			NZ 505871 A 25-10-2002
			PL 341589 A1 23-04-2001
			SK 10262000 A3 18-01-2001
			TR 200001903 T2 21-11-2000
			TW 587946 B 21-05-2004
			US 2002037322 A1 28-03-2002
US 6294669	B1	25-09-2001	AT 238310 T 15-05-2003
			AU 714735 B2 13-01-2000
			AU 4222297 A 14-04-1998
			BR 9712072 A 24-08-1999
			CA 2265686 A1 26-03-1998
			CN 1234036 A ,C 03-11-1999
			CZ 9900975 A3 11-08-1999
			DE 69721290 D1 28-05-2003
			DE 69721290 T2 22-01-2004
			EA 1526 B1 23-04-2001
			EP 0937083 A1 25-08-1999
			ES 2198593 T3 01-02-2004
			HK 1022912 A1 12-12-2003
			HU 9903454 A2 28-03-2000
			ID 22064 A 26-08-1999
			IL 129016 A 12-01-2003
			WO 9812200 A1 26-03-1998
			JP 3403206 B2 06-05-2003
			JP 2001500521 T 16-01-2001
			KR 2000048496 A 25-07-2000
			NZ 334883 A 29-09-2000
			PL 332314 A1 30-08-1999
			PT 937083 T 29-08-2003
			SK 35499 A3 13-03-2000
			TR 9900614 T2 21-06-1999
			US 2002002279 A1 03-01-2002
US 2002002279	A1	03-01-2002	AT 238310 T 15-05-2003
			AU 714735 B2 13-01-2000
			AU 4222297 A 14-04-1998
			BR 9712072 A 24-08-1999
			CA 2265686 A1 26-03-1998
			CN 1234036 A ,C 03-11-1999
			CZ 9900975 A3 11-08-1999
			DE 69721290 D1 28-05-2003
			DE 69721290 T2 22-01-2004
			EA 1526 B1 23-04-2001
			EP 0937083 A1 25-08-1999
			ES 2198593 T3 01-02-2004

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/IB2004/003571

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002002279 A1		HK 1022912 A1 HU 9903454 A2 ID 22064 A IL 129016 A WO 9812200 A1 JP 3403206 B2 JP 2001500521 T KR 2000048496 A NZ 334883 A PL 332314 A1 PT 937083 T SK 35499 A3 TR 9900614 T2 US 6294669 B1	12-12-2003 28-03-2000 26-08-1999 12-01-2003 26-03-1998 06-05-2003 16-01-2001 25-07-2000 29-09-2000 30-08-1999 29-08-2003 13-03-2000 21-06-1999 25-09-2001
WO 9812200 A	26-03-1998	AT 238310 T AU 714735 B2 AU 4222297 A BR 9712072 A CA 2265686 A1 CN 1234036 A , C CZ 9900975 A3 DE 69721290 D1 DE 69721290 T2 EA 1526 B1 EP 0937083 A1 ES 2198593 T3 HK 1022912 A1 HU 9903454 A2 ID 22064 A IL 129016 A WO 9812200 A1 JP 3403206 B2 JP 2001500521 T KR 2000048496 A NZ 334883 A PL 332314 A1 PT 937083 T SK 35499 A3 TR 9900614 T2 US 6294669 B1 US 2002002279 A1	15-05-2003 13-01-2000 14-04-1998 24-08-1999 26-03-1998 03-11-1999 11-08-1999 28-05-2003 22-01-2004 23-04-2001 25-08-1999 01-02-2004 12-12-2003 28-03-2000 26-08-1999 12-01-2003 26-03-1998 06-05-2003 16-01-2001 25-07-2000 29-09-2000 30-08-1999 29-08-2003 13-03-2000 21-06-1999 25-09-2001 03-01-2002
JP 2001131071 A	15-05-2001	NONE	
EP 1051978 A	15-11-2000	AU 736555 B2 AU 1784599 A BR 9907084 A CA 2316841 A1 EA 2881 B1 EP 1051978 A1 HK 1035148 A1 HU 0101272 A2 JP 3413406 B2 NZ 505871 A SK 10262000 A3 TW 587946 B US 6342493 B1	02-08-2001 26-07-1999 17-10-2000 15-07-1999 31-10-2002 15-11-2000 19-11-2004 28-12-2001 03-06-2003 25-10-2002 18-01-2001 21-05-2004 29-01-2002

INTERNATIONAL SEARCH REPORT

 Inter 1st Application No
 PCT/IB2004/003571

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1051978	A	CN 1290177 A ,C ID 25469 A WO 9934832 A1 PL 341589 A1 TR 200001903 T2 US 2002037322 A1	04-04-2001 05-10-2000 15-07-1999 23-04-2001 21-11-2000 28-03-2002
US 2002037322	A1	28-03-2002	
		AU 736555 B2 AU 1784599 A BR 9907084 A CA 2316841 A1 CN 1290177 A ,C EA 2881 B1 EP 1051978 A1 HK 1035148 A1 HU 0101272 A2 ID 25469 A WO 9934832 A1 JP 3413406 B2 NZ 505871 A PL 341589 A1 SK 10262000 A3 TR 200001903 T2 TW 587946 B US 6342493 B1	02-08-2001 26-07-1999 17-10-2000 15-07-1999 04-04-2001 31-10-2002 15-11-2000 19-11-2004 28-12-2001 05-10-2000 15-07-1999 03-06-2003 25-10-2002 23-04-2001 18-01-2001 21-11-2000 21-05-2004 29-01-2002